AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

- --1. (Currently Amended) A data processing apparatus having a central processing unit and a memory for use in a system, wherein a plurality of modules exist in the memory for access by the central processing unit, with each module having a plurality of components, said apparatus comprising:
- a <u>memory</u> driver for controlling operations of writing to and reading from a recording medium;
- a check point manager unit for communicating between the plurality of components and the memory driver; and
- a status storing database unit for storing a dependency relationship between for each component relative to others of the plurality of components, wherein

when a status-storing process is requested by a <u>one</u> component of the plurality of components, the dependency relationship of said <u>one</u> component <u>is read</u> from said status storing database unit and <u>stored data</u> is stored as a snapshot file in said recording medium <u>in a sequence based on the dependency relationship from said status storing database unit; and</u>

when a status-recovering process is requested, a status of said <u>one</u> component is recovered using said snapshot file stored in said recording medium in a <u>the</u> sequence based on the dependency relationship stored in said recording medium.

- --2. (Previously Presented) The data processing apparatus according to claim 1, wherein said snapshot file includes a tag having one of a name and an identification of said component.
- --3. (Previously Presented) The data processing apparatus according to claim 1, wherein said status-storing process and said status-recovering process call a function existing in an address for said component.
- --4. (Original) The data processing apparatus according to claim 1, wherein said recording medium is a portable recording medium.
- --5. (Currently Amended) A data processing method including a central processing unit and a memory for use in a system, wherein a plurality of modules exist in the memory for access by the central processing unit, with each module having a plurality of components, said method comprising the steps of:

controlling writing to and reading from a recording medium, said controlling performed by a memory driver;

communicating between the plurality of components and the driver by using a checkpoint manager;

storing a dependency relationship between for each component relative to others of the plurality of components in a status-storing database;

storing the dependency relationship of a component of the plurality of components and stored data as a snapshot file in said recording medium in a sequence based on the dependency relationship when a status-storing process is requested by the component; and

recovering a status of said component using said snapshot file stored in said recording medium in a sequence based on the dependency relationship stored in said recording medium when a status-recovering process is requested.

- --6. (Previously Presented) The data processing method according to claim 5, wherein said snapshot file includes a tag having one of a name and an identification of said component.
- --7. (Previously Presented) The data processing method according to claim 5, wherein said status-storing processing and said status-recovering process call a function existing in an address for said component.
- --8. (Original) The data processing method according to claim 5, wherein said recording medium is a portable recording medium.
 - --9. (Cancelled)
 - --10. (Currently Amended) A storage medium for storing

a software program in a computer-readable form, wherein said software program contains computer software describing a data processing method for execution on a computer system and is stored physically in said computer-readable form; and said data processing method is applied to an apparatus including a central processing unit and a memory for use in a system, wherein a plurality of modules exist in the memory for access by the central processing unit, with each module having a plurality of components, said software program comprising the steps of:

controlling writing to and reading from a recording medium, said controlling performed by a memory driver;

communicating between the plurality of components and the driver by using a checkpoint manager;

storing a dependency relationship among the plurality of components in a status-storing database in a sequence based on the dependency relationship;

storing the dependency relationship of a component of said plurality of components and stored data as a snapshot file in said recording medium when a status-storing process is requested by said component; and

recovering a status of said component using said snapshot file stored in said recording medium in a sequence based on the dependency relationship stored in said record recording medium when a status-recovering process is requested.